AMENDMENTS IN THE CLAIMS

1. (Currently Amended) A method for associating instrumentation data with a simulation model within a batch simulation farm in which a simulation client communicates with an instrumentation server to process simulation data with respect to said simulation model, said method comprising:

delivering an instrumentation eventlist from said simulation client to said instrumentation server, wherein said eventlist contains instrumentation event information for said simulation model; and

within said instrumentation server:

computing a first digital signature that uniquely identifies contents of said instrumentation eventlist as being associated with said simulation model; and

in response to receiving simulation data from said simulation client, utilizing said first digital signature to associate said simulation data with said simulation model.

2. (Original) The method of claim 1, further comprising generating said eventlist within an instrumentation load tool.

3. (Original) The method of claim 2, wherein said generating said eventlist comprises, during model build of said one simulation model, producing a set of files containing information detailing the exact number and content of instrumentation events associated with said simulation model.

4. (Original) The method of claim 3, wherein said set of files is produced such that each file designates a single class of instrumentation events.

5. (Currently Amended) The method of claim 1, wherein said instrumentation server computes said first digital signature utilizing a cyclic redundancy check algorithm, said method further comprising computing a second digital signature within said simulation client utilizing said cyclic redundancy check algorithm.

6. (Currently Amended) The method of claim 1, further comprising:

within said simulation client:

collecting aggregate instrumentation event information resulting from simulation of said simulation model, wherein said aggregate instrumentation event information is included within said simulation data;

generating an aggregate instrumentation event packet containing said aggregate instrumentation event information and [[said]] a second digital signature that identifies said instrumentation event information; and

delivering said aggregate instrumentation packet to said instrumentation server.

7. (Currently Amended) The method of claim 6, wherein said utilizing said first digital signature to associate said simulation data with said simulation model further comprises:

comparing the second digital signature contained in said aggregate instrumentation packet with the first digital signature computed by said instrumentation server to determine whether or not a match exists;

responsive to a successful match between the second digital signature contained in said aggregate instrumentation packet and the first digital signature computed by said instrumentation server, processing said aggregate instrumentation packet within said instrumentation server; and

responsive to a failed match between the second digital signature contained in said aggregate instrumentation packet and the first digital signature computed by said instrumentation server, discarding said aggregate instrumentation packet.

8. (Currently Amended) A system for associating instrumentation data with a simulation model within a batch simulation farm in which a simulation client communicates with an instrumentation server to process simulation data with respect to said simulation model, said system comprising:

processing means for delivering an instrumentation eventlist from said simulation client to said instrumentation server, wherein said eventlist contains instrumentation event information for said simulation model; and

within said instrumentation server:

processing means for computing a first digital signature that uniquely identifies contents of said instrumentation eventlist as being associated with said simulation model; and

processing means responsive to receiving simulation data from said simulation client for utilizing said first digital signature to associate said simulation data with said simulation model.

9. (Original) The system of claim 8, further comprising processing means for generating said eventlist within an instrumentation load tool.

10. (Original) The system of claim 9, wherein said processing means for generating said eventlist comprises processing means for producing a set of files containing information detailing the exact number and content of instrumentation events associated with said simulation model.

11. (Original) The system of claim 10, wherein said set of files is produced such that each file designates a single class of instrumentation events.

12. (Currently Amended) The system of claim 8, wherein said instrumentation server computes said first digital signature utilizing a cyclic redundancy check algorithm, said system further comprising processing means for computing a second digital signature within said simulation client utilizing said cyclic redundancy check algorithm.

13. (Currently Amended) The system of claim 8, further comprising:

within said simulation client:

processing means for collecting aggregate instrumentation event information resulting from simulation of said simulation model, wherein said aggregate instrumentation event information is included within said simulation data;

processing means for generating an aggregate instrumentation event packet containing said aggregate instrumentation event information and [[said]] a second digital signature that identifies said instrumentation event information; and

processing means for delivering said aggregate instrumentation packet to said instrumentation server.

14. (Currently Amended) The system of claim 13, wherein said processing means for utilizing said first digital signature to associate said simulation data with said simulation model further comprises:

processing means for comparing the second digital signature contained in said aggregate instrumentation packet with the first digital signature computed by said instrumentation server to determine whether or not a match exists;

processing means responsive to a successful match between the second digital signature contained in said aggregate instrumentation packet and the first digital signature computed by said instrumentation server for processing said aggregate instrumentation packet within said instrumentation server; and

processing means responsive to a failed match between the second digital signature contained in said aggregate instrumentation packet and the first digital signature computed by said instrumentation server for discarding said aggregate instrumentation packet.

15. (Currently Amended) A computer program product for associating instrumentation data with a simulation model within a batch simulation farm in which a simulation client communicates with an instrumentation server to process simulation data with respect to said simulation model, said computer program product comprising:

program instruction means for delivering an instrumentation eventlist from said simulation client to said instrumentation server, wherein said eventlist contains instrumentation event information for said simulation model; and

within said instrumentation server:

program instruction means for computing a first digital signature that uniquely identifies contents of said instrumentation eventlist as being associated with said simulation model; and

program instruction means responsive to receiving simulation data from said simulation client for utilizing said first digital signature to associate said simulation data with said simulation model.

16. (Original) The computer program product of claim 15, further comprising program instruction means for generating said eventlist within an instrumentation load tool.

17. (Original) The computer program product of claim 16, wherein said program instruction means for generating said eventlist comprises program instruction means for producing a set of files containing information detailing the exact number and content of instrumentation events associated with said simulation model.

18. (Original) The computer program product of claim 17, wherein said set of files is produced such that each file designates a single class of instrumentation events.

19. (Currently Amended) The computer program product of claim 15, wherein said instrumentation server computes said first digital signature utilizing a cyclic redundancy check algorithm, said computer program product further comprising program instruction means for computing a second digital signature within said simulation client utilizing said cyclic redundancy check algorithm.

20. (Currently Amended) The computer program product of claim 15, further comprising:

within said simulation client:

program instruction means for collecting aggregate instrumentation event information resulting from simulation of said simulation model, wherein said aggregate instrumentation event information is included within said simulation data;

program instruction means for generating an aggregate instrumentation event packet containing said aggregate instrumentation event information and [[said]] a second digital signature that identifies said instrumentation event information; and

program instruction means for delivering said aggregate instrumentation packet to said instrumentation server.

21. (Currently Amended) The computer program product of claim 20, wherein said program instruction means for utilizing said first digital signature to associate said simulation data with said simulation model further comprises:

program instruction means for comparing the second digital signature contained in said aggregate instrumentation packet with the first digital signature computed by said instrumentation server to determine whether or not a match exists;

program instruction means responsive to a successful match between the second digital signature contained in said aggregate instrumentation packet and the first digital signature computed by said instrumentation server for processing said aggregate instrumentation packet within said instrumentation server; and

program instruction means responsive to a failed match between the second digital signature contained in said aggregate instrumentation packet and the first digital signature computed by said instrumentation server for discarding said aggregate instrumentation packet.